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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,523	08/07/2006	Yoshitaka Sugawara	925-348	9576
23117 NIXON & VAN	7590 08/19/200 NDERHYE, PC	EXAMINER		
	LEBE ROAD, 11TH F	TRAN, TAN N		
ARLINGTON,	VA 22203		ART UNIT	PAPER NUMBER
		2826		
			MAIL DATE	DELIVERY MODE
			08/19/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/588,523	SUGAWARA, YOSHITAKA				
Office Action Summary	Examiner	Art Unit				
	TAN N. TRAN	2826				
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
 Responsive to communication(s) filed on <u>04 June 2008</u>. This action is FINAL. This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213. 						
Disposition of Claims						
4) Claim(s) 1-11 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-11 are subject to restriction and/or election requirement.						
Application Papers						
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate				

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DETAILED ACTION

Election/Restrictions

1. The previous Election/Restrictions requirement has been withdrawn due to the previous

Election/Restrictions requirement is improper because the embodiment of fig. 6 having a stopper

layer 3 is provided in the opening between both edge portion of the ohmic contact layer and

insulating film while the embodiment of fig. 1 does not have. Therefore, new

Election/Restrictions is set forth further below.

2. This application contains claims directed to more than one species of the generic

invention. These species are deemed to lack unity of invention because they are not so linked as

to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

Species 1, Fig. 1, depicts a cross-sectional view of a mesa-structure SiC PIN diode,

which is the wide-gap semiconductor device of a first embodiment of the

invention.

Species 2, Fig. 2 depicts a cross-sectional view of a planar-structure SiC PIN diode,

which is the wide-gap semiconductor device of a second embodiment of the invention.

Species 3, Fig. 3 depicts a cross-sectional structure of a mesa-structure SiC GTO, which

is the wide-gap semiconductor device of a third embodiment of the invention.

Species 4, Fig. 4 depicts a cross-sectional view of a mesa-structure SiC MOSFET, which

is the wide-gap semiconductor device of a fourth embodiment of the invention.

Species 5, Fig. 6, depicts a cross-sectional view of a mesa-structure SiC PIN diode,

which is the wide-gap semiconductor device of a fifth embodiment of the

invention having a stopper layer 3 is provided in the opening between both edge portion of the

ohmic contact layer and insulating film.

The species are independent or distinct because claims to the different species recite the

mutually exclusive characteristics of such species. In addition, these species are not obvious

variants of each other based on the current record.

3. Applicant is required to elect a single disclosed species for prosecution on the merits to

which the claims shall be restricted if no generic claim is finally held to be allowable. Currently,

no claim appears to be generic.

There is an examination and search burden for these patentably distinct species due to

their mutually exclusive characteristics. The species require a different field of search (e.g.,

searching different classes/subclasses or electronic resources, or employing different search

queries); and/or the prior art applicable to one species would not likely be applicable to another

species; and/or the species are likely to raise different non-prior art issues under 35 U.S.C. 101

and/or 35 U.S.C. 112, first paragraph.

Applicant is advised that the reply to this requirement to be complete must include

(i) an election of a species to be examined even though the requirement may be traversed (37

CFR 1.143) and (ii) identification of the claims encompassing the elected species, including

any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

The election of the species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the election of species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected species.

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the species unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other species.

- 4. Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141.
- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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6. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to TAN N. TRAN whose telephone number is (571)272-1923. The

examiner can normally be reached on 8:30-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Sue Purvis can be reached on (571) 272-1236. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/TAN N TRAN/

Examiner, Art Unit 2826

Application Number

Application/Control No.	Applicant(s)/Patent under Reexamination		
10/588,523	SUGAWARA, Y	IGAWARA, YOSHITAKA	
Examiner	Art Unit		
TANN TOAN	2826		

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